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Pro Cys Val Ile Leu

115

<210> 2
<211> 115
<212> PRT
<213> Homo sapiens

<400> 2
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35 40 45
Gln Tyr Pro Gly Ile Glu Ile Glu Ser Arg Leu Gly Gly Thr Gly Ala
50 55 60
Phe Glu Ile Glu Ile Asn Gly Gln Leu Val Phe Ser Lys Leu Glu Asn
65 70 75 80
Gly Gly Phe Pro Tyr Glu Lys Asp Leu Ile Glu Ala Ile Arg Arg Ala
85 90 95
Ser Asn Gly Glu Thr Leu Glu Lys Ile Thr Asn Ser Arg Pro Pro Cys
100 105 110
Val Ile Leu
115

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<211> 518
<212> DNA
<213> Homo sapiens

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<210> 4
<211> 621
<212> DNA
<213> Homo sapiens

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<211> 683
<212> DNA
<213> Homo sapiens

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gggcaatgct agctattgcc agt 683

<210> 6
<211> 490
<212> DNA
<213> Homo sapiens

<400> 6
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gacctacctg gagctggcca gtgctgtgaa ggagcagtat ccgggcatac agatcgagtc 180
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ctgcacagga ctctgggttc ctgctctgtt ctgggttcca aaccttggc tcccttgggt 420
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cctccacttn 490

<210> 7
<211> 557
<212> DNA
<213> Homo sapiens

<400> 7
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gagcagtatc cgggcatacg gatcgagtcg cgcctcgggg gcacagggtc tttgagatag 180
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ccctacttta agctccttta gcaaagaaga acctgggcct tccacttttg ccccttttgg 480
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<210> 8
<211> 508
<212> DNA
<213> Homo sapiens

<400> 8

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cggcttcgag gcgacctacc tggagctggc cagtgtctgt aaggagcagt atccgggcat 180
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508

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<210> 9
 <211> 418
 <212> DNA
 <213> Homo sapiens

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<400> 9
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<210> 10
 <211> 411
 <212> DNA
 <213> Homo sapiens

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<400> 10
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gcttttgagat agagataaat ggacagctgg tgttctccaa gctggagaat gggggctttc 180
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gctctgttct ggggtccaaa ccttggtctc cctttggtcc tgctggggag ctcccctgc 360
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<210> 11
 <211> 397
 <212> DNA
 <213> Homo sapiens

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<400> 11
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tgcacaggac tctgggttcc tgctctgttc tgggggtccaa accttggtct ccctttggtc 360
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397

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<210> 12
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 12

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agatagagat	aaatggacag	ctggtgttct	ccaagctgga	gaatgggggc	ttccctatga	240
gaaagatctc	attgaggcca	tccgaagagc	cagtaatgga	gaaaccctag	aaaagatcac	300
caacagccgt	cctccctgcg	tcctcctgtg	actgcacagg	actctgggtt	cctgctctgt	360
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<210> 13
<211> 469
<212> DNA
<213> Homo sapiens

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atcgtggtgg	agtactgtga	accctgcggc	ttcgaggcga	cctacctgga	gctggccagt	120
gctgtgaagg	agcagtatcc	gggcacgcag	atcgagtcgc	gcctcggggg	cacagggtgcc	180
tttgagatag	agataaatgg	acagctggtg	ttctccaagc	tggagaatgg	gggctttccc	240
tatgagaaaag	atctcattga	ggccatccga	agagccagta	atggagaaac	cctagaaaag	300
atcaccaaca	gccgtcctcc	ctgcgtcatc	ctgttgactt	gcacaggact	ttgggttcct	360
gctctgttct	tggggtccaa	acctttggtc	ttcccttttg	ttcctgnttg	gggagntccc	420
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<210> 14
<211> 608
<212> DNA
<213> Homo sapiens

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gcggcttcga	ggcgacctac	ctggagctgg	ccagtgcctg	gaaggagcag	tatccgggca	180
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tatgnaat						608

<210> 15
<211> 411
<212> DNA
<213> Homo sapiens

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<210> 16
<211> 420
<212> DNA

<213> Homo sapiens

<400> 16

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gagaaaccct agaaaagatc accaacagcc gtccctccctg gcgttcatcc tgtggactgg 360
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<210> 17

<211> 447

<212> DNA

<213> Homo sapiens

<400> 17

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tcgcgcctcg ggggcacagg tgccctttgag atagagataa atggacagct ggtgtttctcc 240
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agtaatggag aaaccctaga aaagatcacc aacagccgtc ctccctgcgt catcctntga 360
ctgcacagga cttttgggtt tcctgctctg tttctggggg ttccaaaant tggtnntccn 420
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<210> 18

<211> 326

<212> DNA

<213> Homo sapiens

<400> 18

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ccgggcagtg ggggtccgcat cgtggtggag tactgtgaac cctgcggcct cgaggcgacc 120
tacctggagc tggccagtg cgtgaaggag cagtatccgg gcacgcagat cgagtcgcgc 180
ctcgggggca caggtgcttt gagatagaga taaatggaca gctggtgttc tccaagctgg 240
agaatggggg ctttccctat gagaaagatc tcattgaggc catccgaaga gccagtaatg 300
gagaaaccct agaaaagatc accaac 326
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<210> 19

<211> 584

<212> DNA

<213> Homo sapiens

<400> 19

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cctggagctg gccagtgtcg tgaaggagca gtatccgggc atcgagatcg agtcgcgcct 180
cgggggcaca ggtgcctttg agatagagat aaatggacag ctggtgttct ccaagctgga 240
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cactctccat gaacactttc ccagccacct cataccccct tccc 584
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<210> 20

<211> 488

<212> DNA
<213> Homo sapiens

<400> 20
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aaagagac 488

<210> 21
<211> 420
<212> DNA
<213> Homo sapiens

<400> 21
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<210> 22
<211> 429
<212> DNA
<213> Homo sapiens

<400> 22
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ggttctctgc 429

<210> 23
<211> 343
<212> DNA
<213> Homo sapiens

<400> 23
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gagatcgagt cgcgcctcgg gggcacaggt gctttgagat agagataaat ggacagctgg 240
tgttctccaa gctggagaat gggggctttc cctatgagaa agatctcatt gaggccatcc 300
gaanagccag taatggagaa accctanaaa agatcaccaa cag 343

<210> 24
<211> 436

<212> DNA

<213> Homo sapiens

<400> 24

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cttcgaggcg	acctacctgg	agctggccag	tgtgtggaag	gagcagtatc	cgggcatcga	180
gatcgagtgc	cgccctcgggg	gcacagggtgc	ttttgagata	gagataaatg	gacagctggt	240
gttctccaag	ctggagaatg	ggggctttcc	ctatgagaaa	gatctcattg	aggccatccg	300
aagagccagt	aatggagaaa	ccctagaaaa	gatcaccaac	agccgtcctc	cctgcgtcat	360
cctgtggact	gcacaggaac	tctgggttnc	ctgtcttctg	tttctggggg	tccaaacctt	420
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<210> 25

<211> 323

<212> DNA

<213> Homo sapiens

<400> 25

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nctgtgaagg	agcagtatcc	gggcatcgag	atcgagtcgc	gcctcggggg	cacagggtgcc	180
tttgagatag	agataaatgg	acagctggtg	ttctccaagc	tggagaatng	gggctttccc	240
tatgagaaag	atctcattga	ggccatccga	agagccagta	atggagaaac	cctagaaaag	300
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<210> 26

<211> 389

<212> DNA

<213> Homo sapiens

<400> 26

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agtgtgtgta	aggagcagta	tccgggcatac	gagatcgagt	cgcgcctcgg	gggcacagggt	180
gcctttgaga	tagagataaa	tggacagctg	gtgttctcca	agctggagaa	tgggggcttt	240
ccctatgaga	aagatctcat	tggagccatc	cgaagagcca	gtaatggaga	aaccctagaa	300
aagatcacca	acagccgtcc	tccctgcgtt	catcctgttg	actgcacagg	acttctgggt	360
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<210> 27

<211> 460

<212> DNA

<213> Homo sapiens

<400> 27

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<210> 28

<211> 436

<212> DNA

<213> Homo sapiens

<400> 28

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tggggtccaa accttgggtc tcactttggt cctgctggga agctccccct gcctcttttc 360
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acaaaaagaa aggnat 436
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<210> 29

<211> 391

<212> DNA

<213> Homo sapiens

<400> 29

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ggcgacctac ctggagctgg ccagtgtgtt gaaggagcag tatccgggca tcgagatcga 180
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ccagtaatng agaaacccta gaaaagatca ccaacagccg tccttccttg cgtncatcct 360
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<210> 30

<211> 386

<212> DNA

<213> Homo sapiens

<400> 30

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tgccagctgc tgtgaaggag cagtatccgg gcacgcagat cgagtcgcgc ctccggggga 180
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cttagaaaag attcaccaac agccgttcct cctggcggtt cattccttgt tgaattgcac 360
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<210> 31

<211> 348

<212> DNA

<213> Homo sapiens

<400> 31

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tgctttgaga tagagataaa tggacagctg gtgttctcca agctggagaa tgggggcttt 180
ccctatgaga aagatctcat tgaggccatc cgaagagcca gtaatngaga aaccctagaa 240
aagatcacca acagccgtcc tcccttgctt catcctgtga ctgcacaggg attctggggt 300
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<210> 32

<211> 344

<212> DNA

<213> Homo sapiens

<400> 32
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gaagngccag taaatggaga aaccctagaa aagatcacca acag 344

<210> 33
<211> 532
<212> DNA
<213> Homo sapiens

<400> 33
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gtgggcactt accctgggaa gggggatga ggtggctgga gaagtgttca tggagagtgt 180
ctctctcctg ccccaaggc cacggaatct totattcctt ctttgtacc aaaggcaca 240
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cagcaggacc aaaggagac caaggtttgg accccagAAC agagcaggaa cccagagtcc 360
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cattactggc tcttcggatg gcctcaatga gatctttctc atagggaag ccccatctc 480
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<210> 34
<211> 309
<212> DNA
<213> Homo sapiens

<400> 34
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ccataatgg 309

<210> 35
<211> 571
<212> DNA
<213> Homo sapiens

<400> 35
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gactcgatth tcgatgcccg gatactgtct c 571

<210> 36
<211> 263
<212> DNA
<213> Homo sapiens

<400> 36
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tgtgaaggag cagtatccgg gcatcgagat cgagtcgcgc ctccggggca cagggtgcttt 180
gagatagaga taaatggaca gctgggtgttc tccaagctgg agaatggggg ctttccctg 240
agaaagatct catttaggcc cat 263

<210> 37
<211> 528
<212> DNA
<213> Homo sapiens

<400> 37
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tcccagcagg accaaaggga gaccaaggtt tggaccccag aacagagcag gaaccagag 360
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<210> 38
<211> 290
<212> DNA
<213> Homo sapiens

<400> 38
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<210> 39
<211> 320
<212> DNA
<213> Homo sapiens

<400> 39
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acagccgtcc ttctnctgct attctattga ctgcacagga ttctnnggtt cntgctntgt 300
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<210> 40
<211> 321
<212> DNA
<213> Homo sapiens

<400> 40
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gatctcattg aggccatccg aagagccagt aatnggagaa accctagaaa agatcaccaa 180
cagccgtcct acctgcgtca tcctgtgact gcacaggact ctgggttcc tctctgttct 240

gggggtccaa accttggnct tcctttnggt cccntttggg angttcccct tgcttttttt 300
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<210> 41
<211> 456
<212> DNA
<213> Homo sapiens

<400> 41
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ctgcacagac tctgggttct gctctgttct ggggtc 456

<210> 42
<211> 458
<212> DNA
<213> Homo sapiens

<400> 42
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<210> 43
<211> 452
<212> DNA
<213> Homo sapiens

<400> 43
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gggcactttac cctgggaagg gggatatgagg tggctggaga agtggtcatg gagagtgtct 180
ctctctctgcc cccaaggcca cggaatcttc tattccttct ttgtacccaa agggcaaagt 240
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gcaggaccaa agggagacca aggtttggac ccagagaacag aacaggaccc cagagtcctg 360
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ttactggctc ttcggatggc ctcaatgagc ta 452

<210> 44
<211> 444
<212> DNA
<213> Homo sapiens

<400> 44
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ggcacttacc ctgggaaggg ggtatgaggt ggctggagaa gtgttcatgg agagtgtctc 180
tctcctgccc ccaaggccac ggaatcttct attccttctt tgtacccaaa gggcaaagt 240

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gcagtcacag	gatgacgcag	ggaggacggc	tgttggtgat	cttttctagg	gtttctccat	420
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<210> 45

<211> 232

<212> DNA

<213> Homo sapiens

<400> 45

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aggtcgagcc	gggcagtggg	gtccgcacgc	tgggtggagta	ctgtaaacc	tgccgcttcg	120
agggcaccta	cctggagctg	gccagtnctg	tgaaggagca	gtatccgggc	atcgagatcg	180
antcgcgcct	cgggggcaca	ggtgccttta	agatagagat	aaatggacag	ct	232

<210> 46

<211> 456

<212> DNA

<213> Homo sapiens

<400> 46

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gggagaataa	ataaaatctg	tggcatcaga	caggtattac	cgaggcgaag	agtggactgg	120
gctttcgtgg	gcacttacct	tgggaagggg	gtatgaggtg	gctggagaag	tgttcatgga	180
gagtgtctct	ctcctgcccc	caaggccaag	gaatcttcta	ttccttcttt	gtacccaaag	240
ggcaaagtgg	aggccagggg	ctctttgcta	aggagctaag	taggggaaag	aggcaggggg	300
agctcccagc	aggaccaaag	ggagaccaag	gtttggaccc	cagaacagag	caggaaccca	360
gagtcctgtg	cagtcacagg	atgacgcagg	gaggacggct	gttggtgatc	ttttctaggg	420
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<210> 47

<211> 556

<212> DNA

<213> Homo sapiens

<400> 47

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aaaagaaatc	taaccatcca	acaccaccta	aagccatcac	tcagatggag	gggccatcac	180
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cttttgggan	ggcttggggg	caggaagaat	cgctttgaac	ctgggaaggt	tggaggttgc	480
agttgaancc	gaggttcgca	ccactgcatt	tccagccttg	ggggaanagg	gcganactcc	540
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<210> 48

<211> 461

<212> DNA

<213> Homo sapiens

<400> 48

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gtgggcactt	accctgggaa	gggtatgag	gtggctggag	aagtgttcat	ggagagtgtc	180
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ggaggccagg	gtctctttgc	taaggagcta	agtaggggaa	aaaggcaggg	ggagctccca	300
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tgcagtcaca	ngatgacgca	gggaggacgg	ctnttggtga	tcttttctag	ggtttctcca	420
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<210> 49

<211> 434

<212> DNA

<213> Homo sapiens

<400> 49

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cctgccccca	aggccacgga	atcttctatt	ccttctttgt	acccaaaggg	caaagtggag	240
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gaccaaaggg	agaccaaggt	ttggacccca	gaacagagca	ggaaccacaga	gtcctgtgca	360
gtcacaggat	gacgcaggga	ggacggctgt	tggtgatctt	ttctaggggt	tctccattac	420
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<210> 50

<211> 434

<212> DNA

<213> Homo sapiens

<400> 50

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<210> 51

<211> 459

<212> DNA

<213> Homo sapiens

<400> 51

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cggtaatacc	tgtctgatgc	cacagatttt	atttattctc	cctaaccocag	ggcaatgtca	420
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<210> 52

<211> 451

<212> DNA

<213> Homo sapiens

<400> 52

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cccagagtcc	tgtgcagtca	caggatgacg	cagggaggac	ggctgttggt	gatcttttct	420
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<210> 53
<211> 447
<212> DNA
<213> Homo sapiens

<400> 53						
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<210> 54
<211> 473
<212> DNA
<213> Homo sapiens

<400> 54						
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<210> 55
<211> 454
<212> DNA
<213> Homo sapiens

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tgcaagtcaca	ggnttgaccg	cagggaggac	cggtctgttg	tgatcctttt	ctaggggttc	420
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<210> 56
<211> 394
<212> DNA
<213> Homo sapiens

<400> 56

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agaacagagc	aggaacccag	agtcctgtgc	agtcacagga	tgacgcaggg	aggacggctg	360
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<210> 57
<211> 427
<212> DNA
<213> Homo sapiens

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<210> 58
<211> 421
<212> DNA
<213> Homo sapiens

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<210> 59
<211> 419
<212> DNA
<213> Homo sapiens

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caaagtggag	gccaggggtc	ctttgctaag	gagctaagta	ggggaaagag	gcagggggag	300
ctcccagcag	gaccaaaggg	agaccaaggt	ttggacccca	gaacagagca	ggaacccaga	360
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<210> 60
<211> 434
<212> DNA
<213> Homo sapiens

<400> 60

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cacttaccc	gggaaggggg	tatgaggtgg	ctggagaagt	gttcatggag	agtgtctctc	180
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aggaccaaag	ggagaccaag	gtttggaccc	cagaacagag	caggaacca	gagtcctgtg	360
cagtcacagg	attgacgcag	ggaggaccgg	ctgttggtga	tcttttctaa	gggtttctcc	420
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<210> 61
 <211> 418
 <212> DNA
 <213> Homo sapiens

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<210> 62
 <211> 403
 <212> DNA
 <213> Homo sapiens

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tcagtcaca	ggatgacgca	gggaggacgg	ctgttggtga	tct		403

<210> 63
 <211> 401
 <212> DNA
 <213> Homo sapiens

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acttacccctg	ggaagggggg	atgaggtggc	tggagaagtg	ttcatggaga	gtgtctctct	180
cctgccccca	aggccacgga	atcttctatt	ccttctttgt	acccaaaggg	caaagtggag	240
gccagggtct	ctttgctaag	gagctaagta	ggggaaagag	gcagggggag	ctcccagcag	300
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<210> 64
 <211> 432
 <212> DNA
 <213> Homo sapiens

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acaggtatta	ccgaggcgaa	gagtggactg	ggctttcgtg	ggcacttacc	ctgggaaggg	120
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cggaatcttc	tattccttct	ttgtacccaa	agggcaaagt	ggaggccagg	gtctctttgc	240
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<210> 65
<211> 501
<212> DNA
<213> Homo sapiens

<400> 65						
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tgggcactta	ccctgggaag	ggggtatgag	gtggctggag	aagtgttcat	ggagagtgtc	180
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gtgcaatcac	aggatgacgc	agggaggacg	gctgttgggt	atcttttcta	gggtttctcc	420
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cagcttgag	aacaccagct	g				501

<210> 66
<211> 792
<212> DNA
<213> Homo sapiens

<400> 66						
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tgactncaca	ggactctggg	tttctgctct	gttctggggg	ccaaaccttg	gtctnccctt	300
ggtncctgctt	nggagctccc	nctgncnttt	tnccctactt	agntncttna	gcaaagagga	360
cccttgccct	ncactttanc	ccttttgggg	tacaaaagga	aggggaattag	gaagatttcc	420
nttggcnttn	gaggggcnaa	ggaagatgag	ncaattttcc	nattaaacaa	ctttttcaag	480
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atTTTTtngc	nttgggaaat	acntanttt	nantccaaaa	nttttntttt	aatntttccc	600
canaaccnaa	gggaaanttn	aagnaatttt	gnaannaaag	ttngngnntc	aaancacaag	660
ataaaaaaaa	anaaaaaann	tttgagnggg	gncccnganc	cnaatttngc	ncantnngng	720
ggnggntnaa	aaancanatt	tgacngggnt	tnaaaacagt	ntgagctttt	naaancntgg	780
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<210> 67
<211> 474
<212> DNA
<213> Homo sapiens

<400> 67						
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ctttcgtggg	cacttaccct	gggaaggggg	tatgaggtgg	ctggagaagt	gttcatggag	180
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agtccctgtc	agtcacagga	tgacgcaggg	aggacggctg	ttggtgatct	tttctagggg	420
ttctccatta	ctggctcttc	ggatggcctc	aatgagatct	ttctcatagg	gaaa	474

<210> 68
<211> 483
<212> DNA
<213> Homo sapiens

<400> 68
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ggcacttacg ctgggaaggg ggtatgaggt ggctggagaa gtgttcattg agagtgtctc 180
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gaggccangg tctcttttgc taaggagcaa ataagggaaa gaggcagggg gagctcccag 300
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tactggctct tcggatggcc tcaatgagat ctttctcata gggaaagccc ccattctcca 480
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<210> 69
<211> 449
<212> DNA
<213> Homo sapiens

<400> 69
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cgtgggcact taccctggga agggggtatg aggtggctgg agaagtgttc atggagagt 180
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ctgtgcagtc acaggatgac gcaggaggga cggctgttgg tgatcttttc tagggtttct 420
ccattactgg ctcttcggat ggccctcaat 449

<210> 70
<211> 594
<212> DNA
<213> Homo sapiens

<400> 70
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gggcacttac cctgggaagg ggtatgaggt tggctggaga agtgttcatt gagagtgtct 180
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cagtcacagg atgacgcagg gagcnggctg tgggtgatct ttctaggggt ttctccatta 420
ctggctcttc cgatgcctca ctgagatctt tctcataggg aaagccccc tctctccagct 480
ttgagacgca agctgtcatt tatctctatc tcaaggcacc ctgtgcccc gaggcgaatt 540
catctcgagc cccgatactg ctcttcaca gactggcagt tcaaggaagt cgcc 594

<210> 71
<211> 389
<212> DNA
<213> Homo sapiens

<400> 71
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gaataaataa aatctgtggc atcagacagg tattaccgag gcaagagtgt gactgggctt 120
tcgtgggcac ttaccctggg aagggggtat gaggtggctg gagaagtgtt catggagagt 180
gtctctctcc tgcccccaag gccacggaat cttctattcc ttctttgtac ccaaggggca 240

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aagtggagggc caggggtctct ttgctaagga gctaagtagg ggaaagagggc agggggagct 300
cccagcagga ccaaagggag accaagggtt ggaccccaga acagagcagg aaccagagct 360
cctgtgcagt cacaggatga cgcagggag                                     389
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<210> 72
<211> 405
<212> DNA
<213> Homo sapiens

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<400> 72
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aataaaatct gtggcatcag acaggtatta ccgaggcgaa gactggactg ggctttcgtg 120
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caggaccaa gggagaccaa ggtttggacc ccanaacaga gcaggaaccc agagtctctg 360
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<210> 73
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 73
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gtgtctctct cctgccccca aggcacacga atcttctatt ccttctttgt acnccaaagg 240
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<210> 74
<211> 392
<212> DNA
<213> Homo sapiens

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<400> 74
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tcgtgggcac ttaccctggg aaggggggat gagggtgctg gagaagtgtt catggagagt 180
gtctctctcc tgcccccagg gccacggaat cttctattcc ttctttgtac ccaaagggca 240
aagtggaggc caggggtctct ttgctaagga gctaagtagg ggaaagagggc agggggagct 300
cccagcagga ccaaagggag accaagggtt ggaccccaga acagagcatg aaccagagct 360
cctgtgcagt cacaggatga cgcagggag ac                                     392
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<210> 75
<211> 372
<212> DNA
<213> Homo sapiens

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<400> 75
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gtatgaggtg gctggagaag tgttcattga gactgtctct ctctgcccc caaggccacg 180
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372

<210> 76
<211> 380
<212> DNA
<213> Homo sapiens

<400> 76
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cgtgggcact taccttggga agggggtatg aggtggctgg agaagtgttc atggagagtg 180
tctctctcct gcccccaagg ccacggaatc ttctattcct tctttgtacc caaagggcaa 240
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<210> 77
<211> 374
<212> DNA
<213> Homo sapiens

<400> 77
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<210> 78
<211> 386
<212> DNA
<213> Homo sapiens

<400> 78
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gagtggactg ggctttctgt ggcacttacc ctgggaaggg ggtatgaggt ggctggagaa 180
gtgttcatgg agagtgtctc tctcctgccc ccaaggccac ggaatcttct attccttctt 240
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<210> 79
<211> 451
<212> DNA
<213> Homo sapiens

<400> 79
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cacttaccct gggaaggggg tatgaggtgg ctggagaagt gttcatggag agtgtctctc 180
tcctgcccc aaggccaagg aatcttctat tcttcttttg tacccaaagg caaagtggag 240
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gaccaaaggg agaccaaggt ttggacccca gaacagagca aggaaccag agtcctgtgc 360
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ccattanttg gctctttccg attggcctca a 451

<210> 80
<211> 311
<212> DNA
<213> Homo sapiens

<400> 80
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ctctctctctg cccccaaggc caccggaatct tctattcctt ctttgtacct aaagggcaaa 180
gtggaggcca ggggtctcttt gctaaggagc taagtagggg aaagaggcag ggggagctcc 240
cagcaggacc aaaggggagc caaggtttgg accccagAAC atagcaggaa ccagagtcct 300
gtgcagtcac a 311

<210> 81
<211> 412
<212> DNA
<213> Homo sapiens

<400> 81
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